N60478.AR.001591
NWS EARLE
5090.3a

CLOSURE REPORT FOR THE REMOVAL OF RESIDENTIAL FUEL OIL UNDERGROUND STORAGE TANKS, SEPTIC TANKS AND THE ABANDONMENT OF A POTABLE WATER WELL AT QUARTERS D AND H NWS EARLE NJ

9/24/1999

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Prepare in quintuplicate (original and 4 copies)

CONTRACTOR DRAWINGS & INFORMATION SUBMITTAL

CONTROL NO. 5

NORTHNAVFACENGCOM 4335/3 (Rev. 6/80)

CONTRACT NO.	DELIVERY ORDER #	ACTIVITY LOCATION
N62472-94-D-0398	0043	Naval Weapons Station (NWS) @ Earle, Colts Neck, NJ

PROJECT TITLE:
Removal of Residential Fuel Oil USTs, Septic Tanks and Well Abandonment at Quarters D and H

FROM:	DATE
Foster Wheeler Environmental Corp. Program QC Manager: Mark Miller	September 24, 1999
TO:	DATE
A. COCCOLI (4COPIES)	September 24, 1999

1. THE CONTRACTOR SUBMITTALS LISTED BELOW ARE FORWARDED FOR YOUR REVIEW AND RECOMMENDATIONS.
   (a) APPLY APPROPRIATE STAMP IMPRINT TO EACH SUBMITTAL AND INDICATE REVIEW COMMENTS, AS REQUIRED.
   (b) RETAIN ONE (1) COPY OF THIS TRANSMITTAL FORM AND RETURN REMAINING COPIES WITH REVIEWED SUBMITTALS TO ROICC.
2. THESE SUBMITTALS SHOULD BE RETURNED TO THIS OFFICE BY _____

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[X] ROICC [ ] OTHER [X] NWS EARLE

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Mark Miller 9-24-99
SIGNATURE AND DATE

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TO:	DATE

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FROM: ROICC	DATE
TO: CONTRACTOR	DATE

1. THE SUBMITTALS LISTED BELOW HAVE BEEN REVIEWED AND ARE APPROVED/DISAPPROVED AS SHOWN BELOW AND ON EACH STAMP IMPRINT.

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[ ] ROICC [ ] OTHER

FOR COMMANDING OFFICER, NORTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND — DATE

ITEM NO.	SUBMITTAL DESCRIPTION	PREPARED/ SUBMITTED BY	APPROVED	DISAPPROVED	REMARKS
5	SD-18, Records; Closure Report	M. Miller			

A

CLOSURE REPORT
FOR THE REMOVAL OF RESIDENTIAL FUEL OIL UNDERGROUND STORAGE TANKS, SEPTIC TANKS, and THE ABANDONMENT OF A POTABLE WATER WELL AT QUARTERS D & H

NAVAL WEAPONS STATION - EARLE
COLTS NECK, NEW JERSEY

Issued:

September 24, 1999

Prepared for:

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REMEDIAL ACTION CONTRACT N62472-94-D-0398
DELIVERY ORDER NO. 0043

Revision	Date	Prepared By:	Approved By:	Pages Affected
0.	September 24, 1999	C. Joblon	M. Heffron	N/A

CLOSURE REPORT
FOR THE REMOVAL OF RESIDENTIAL FUEL OIL UNDERGROUND STORAGE TANKS, SEPTIC TANKS, and THE ABANDONMENT OF A POTABLE WATER WELL AT QUARTERS D & H

NAVAL WEAPONS STATION - EARLE
COLTS NECK, NEW JERSEY

TABLE OF CONTENTS

Section			Page
1.0	INTRODUCTION		1
	1.1	PROJECT OBJECTIVES	1
2.0	PROJECT LOCATION AND DESCRIPTION		1
	2.1	SITE CONDITIONS	1
		2.1.1 Site Geology	5
3.0	SUMMARY OF ACTIVITIES		5
	3.1	TASK 1 - PROJECT PLANNING/MANAGEMENT	5
		3.1.1 Sub-task 1A - Pre-Construction Submittals	5
		3.1.2 Sub-task 1B - Mobilization	6
		3.1.3 Sub-task 1C - Home Office Support	6
	3.2	TASK 2 - PERMIT PREPARATION	6
		3.2.1 Sub-task 2A- Dig Permit	6
	3.3	TASK 3 - FUEL OIL UST REMOVAL	6
		3.3.1 Sub-task 3A - Evacuating Contents of USTs	6
		3.3.2 Sub-task 3B - Purging Flammable Gases from USTs	7
		3.3.3 Sub-task 3C - Excavation, Removal and Disposal of USTs	7
		3.3.4 Post-Excavation Analytical Results	7
		3.3.5 Sub-task 3D - Restoration of UST Sites	8
		3.3.6 Sub-task 3E - Restoration of UST Sites	8
	3.4	TASK 4 - SEPTIC TANK REMOVAL	8
		3.4.1 Sub-task 4A - Evacuating Contents of the Septic Tanks	8
		3.4.2 Sub-task 4B - Excavation, Removal and Disposal of the Septic Tanks	8
		3.4.3 Sub-task 4C - Restoration of the Septic Tank Sites	9
		3.4.4 Leach Field Soil Analytical Results	9
	3.5	TASK 5 -ABANDONMENT OF POTABLE WATER WELL	9
4.0	WASTE REMOVAL/REGULATORY COMPLIANCE		10

TABLE OF CONTENTS

Section			Page
5.0	QUALITY ASSURANCE/QUALITY CONTROL		11
	5.1	DOCUMENTATION	11
		5.1.1 Operations Record keeping	11
		5.1.2 Photographic Documentation	11

LIST OF FIGURES

FIGURE		Page
2-1	Site Location Map	2
2-2	Quarters D, Site Layout Map	3
2-3	Quarters H, Site Layout Map	4

APPENDICES

Appendix A	UST Removal- Data Summary, Laboratory Analytical Data
Appendix B	Leach Field- Data Summary, Laboratory Analytical Data
Appendix C	Transportation and Disposal Documentation
Appendix D	Photographic Log

1.0 INTRODUCTION

Foster Wheeler Environmental Corporation (Foster Wheeler Environmental) was contracted by the Northern Division, Naval Facilities Engineering Command (NORDIV) to perform the work described in this Closure Report at Quarters D and H, at the Naval Weapons Station (NWS) Earle located in Colts Neck, NJ. This Closure Report is being submitted to satisfy the pre-construction submittal requirements included in paragraph 1.2.1, Pre- and Post-Construction Documentation of the Statement of Services for Delivery Order No. 0043 under Remedial Action Contract No. N62472-94-D-0398.

1.1 PROJECT OBJECTIVES

The project objectives included three general tasks. The first task included the closure and removal of two residential fuel oil underground storage tanks (USTs), and restoration of the disturbed sites. The second task involved the closure and removal of two residential septic tanks, and restoration of the sites. The third task was the abandonment of a potable water well. All work was completed in accordance with all applicable federal, state, and local regulations.

2.0 PROJECT LOCATION AND DESCRIPTION

NWS-Earle is located in east-central Monmouth County in the town of Colts Neck, New Jersey (Figure 2-1). Quarters D is located on east side of Rt. 34N, and Quarters H is located south of Rt. 18 on the Mainside portion of the NWS-Earle facility. (Figure 2-1).

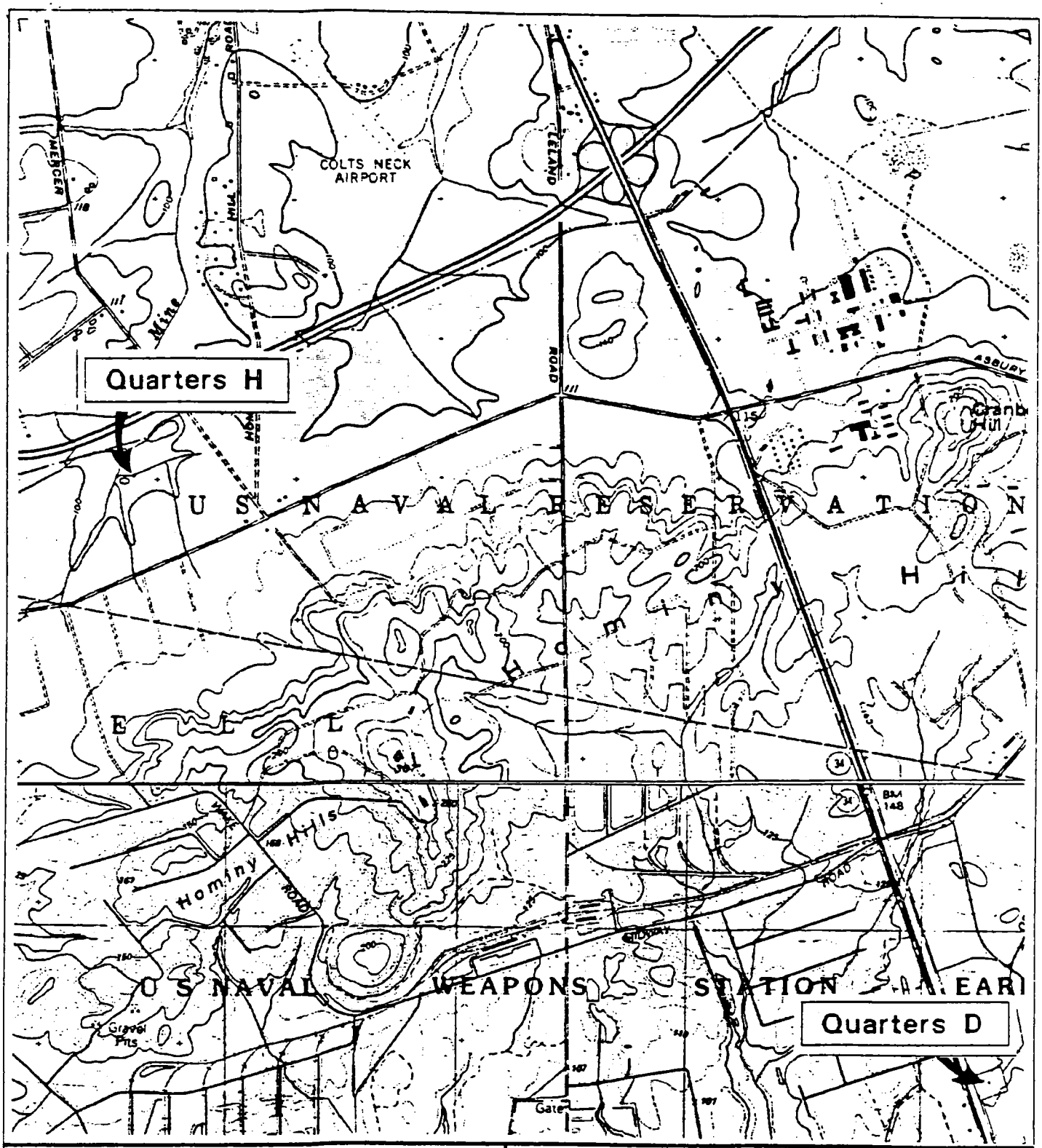
Quarters D & H were used as livings quarters for Navy personnel. The actual living quarters were previously demolished; however, the USTs and the septic tanks for the living quarters were left in place. All building structures were removed prior to mobilization activities. The potable water at Quarters H could not be located during site activities.

All work was completed as clean excavation and restoration work in accordance with the Scope of Work, submitted June 3, 1999. The fuel oil tanks were for residential use and were exempt from the UST regulations (N.J.A.C. 7:14B, 7:26E).

2.1 SITE CONDITIONS

Figure 2-2 and Figure 2-3 details the site layout and the approximate locations of the USTs, septic system, at Quarters D and H, respectively.

Quarters D is a flat to slightly sloped grassy area located inside a fenced area to the north of Route 34. No structures remain at the former housing unit at Quarters D. The Quarters D Site presently consists of an asphalt driveway leading to a circular asphalt turn-around. The former UST was located to the north of the turn-around circle, and the septic tank was located to the east of the asphalt turn-around. The former housing unit was supplied by a water line as indicated by hydrant located on the eastern portion of the property and the water shut-of valve located north of the driveway.



0 2000 4000 FT

N

NEW JERSEY

QUADRANGLE LOCATION

Source: U.S.G.S. Topographic Maps (7.5 Minute)
Marlboro & Farmingdale, NJ Quadrangles

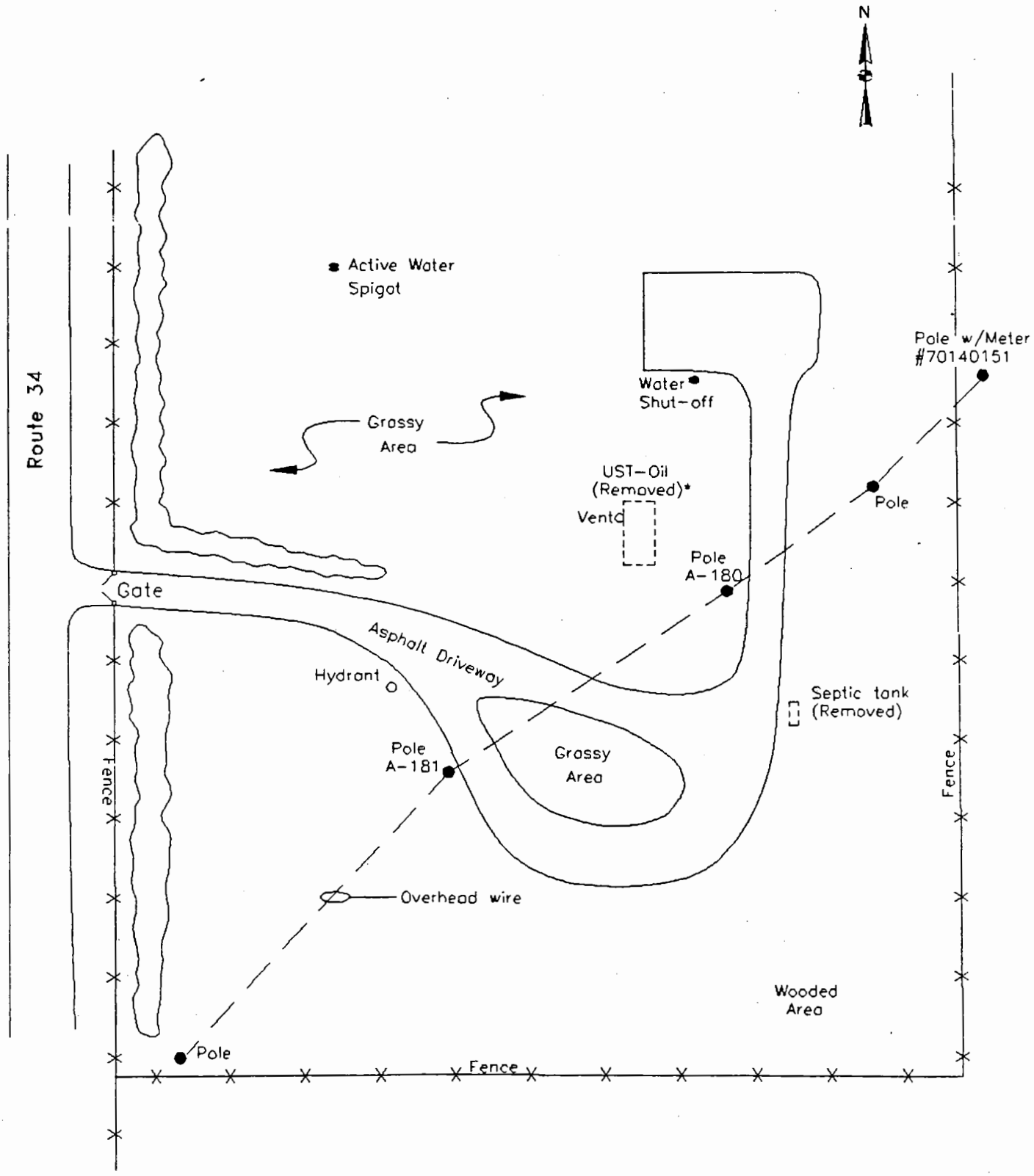
NWS – Earle

Colts Neck, N.J.

Figure 2-1
Quarters D & H

FOSTER WHEELER ENVIRONMENTAL CORPORATION

earle\siteloc.dwg



NOT TO SCALE

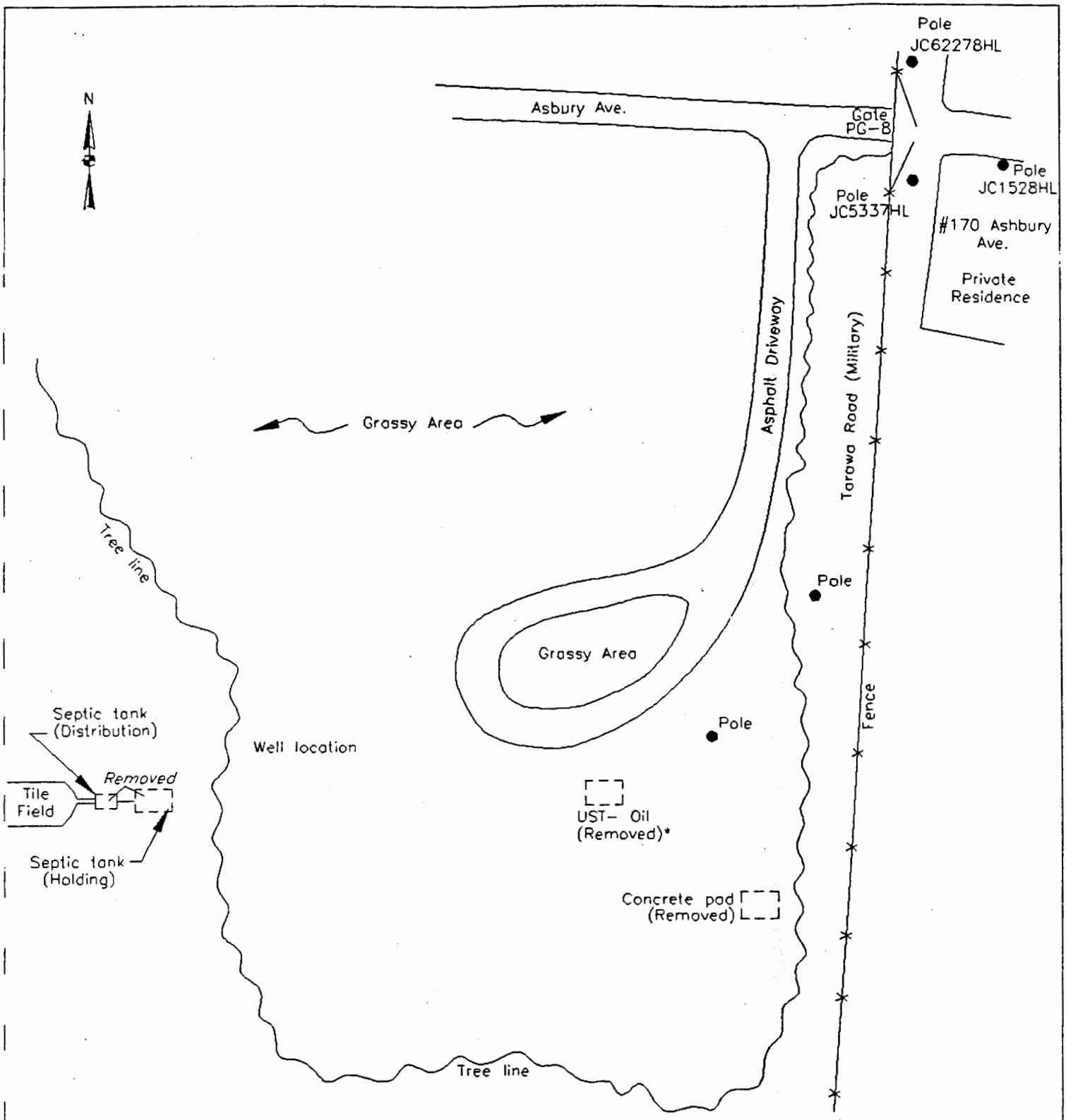
* Former UST locations in State Plane Coordinates:
511927.53N
589932.80E

d:\temp\earle\qtD\quarld2.dwg

U.S. Navy RAC
NWS – Earle, Colts Neck, N.J.

Figure 2-2
Quarters D
Site Layout Map

FOSTER WHEELER ENVIRONMENTAL CORPORATION



NOT TO SCALE

*Former UST location in State Plane Coordinates:
517772.99N
572339.81E

d:\temp\earle\qtD\quartd3.dwg

U.S. Navy RAC
NWS - Earle, Colts Neck, N.J.

Figure 2-3
Quarters H
Site Layout Map

FOSTER WHEELER ENVIRONMENTAL CORPORATION

Quarters H is a grassy area off of Asbury Avenue. No structures remain at the former housing unit at Quarters H. The Quarters H Site presently consists of grassy area with trees to the south, east and west, and a grassy field to the north. An asphalt driveway off of Asbury Avenue leads to a circular asphalt turn-around. The former UST was located to the south of the asphalt turn-around. A concrete pad (former dog pen) was located on the southeastern portion of the property. The septic tank and leach field were located in a wooded area on the western portion of tne property. A potable water well was apparently utilized during the occupation of the house, but no surface or subsurface indication of the well could be located during the field activities.

2.1.1 Site Geology

NWS-Earle is situated in the Coastal Plain Physiographic Province of New Jersey. The Coastal Plain consists of a series of seaward-dipping unconsolidated sediments of Cretaceous through Quaternary Age, deposited atop pre-Cretaceous bedrock. The Coastal Plain sediments were deposited in continental, coastal, and marine depositional environments, and consist of numerous sequences of sand and gravel, silt, and clay. These deposits generally strike northeast-southwest, and dip to the southeast at 10 to 60 feet per mile. The Coastal Plain section is nearly 900 feet thick beneath NWS-Earle.

No soil characterization has been completed for the area encompassed by Quarters D & H. However, the soils were similar to the depositional sequences described above, mainly sands, silts and clays.

3.0 SUMMARY OF ACTIVITES

The tasks were performed in accordance with the Scope of Work, submitted June 3, 1999, and are described below in this Closure Report.

3.1 TASK 1 - PROJECT PLANNING/MANAGEMENT

Project Planning/Management activities included the preparation of pre-construction submittals, coordinating disposal and utility requirements, mobilization to the site, and providing home office support functions during the estimated period of performance. The sub-tasks involved in Project Planning/Management are described below.

3.1.1 Sub-task 1A - Pre-Construction Submittals

Foster Wheeler Environmental prepared and submitted the following pre-construction documents to the Navy:

Work Plan

The Work Plan presented Foster Wheeler Environmental's approach to executing the project, including the site description, statement of work, procurement approach, system information,

materials, engineering data, transportation and disposal data, and sampling and analytical requirements.

Health and Safety Plan (HASP)
The HASP developed and approved for Building 566 UST Remediation was used for the Quarters D & H activities. The HASP included Foster Wheeler Environmental's approach to providing for the health and safety of its employees during the project. The Activity Hazard Analysis and Action Levels for this effort were submitted as an Addendum to the Building 566 UST Remediation HASP.

3.1.2 Sub-task 1B - Mobilization

Mobilization consisted of contacting appropriate Navy personnel at NWS Earle to arrange for contractor passes and to coordinate support requirements for the tank removals.

3.1.3 Sub-task 1C - Home Office Support

Foster Wheeler Environmental's Langhorne, Pennsylvania office will provide home office support for the duration of the project. Home office support includes the preparation of the financial and technical reports.

3.2 TASK 2 - PERMIT PREPARATION

3.2.1 Sub-task 2A- Dig Permit

Foster Wheeler Environmental contacted the NWS-Earle Public Works Department to obtain a dig permit and all utilities were marked-out prior to excavation activities. Foster Wheeler also contacted the New Jersey Dig Safe to clear additional utilities.

3.3 TASK 3 - FUEL OIL UST REMOVAL

Two residential fuel oil USTs were removed from the Quarters D & H site. Foster Wheeler Environmental removed the residual product, excavated and removed the tanks, tested for flammable gases, cleaned the tank interiors, obtained post-excavation soil samples for laboratory analysis, restored the site, and arranged for transportation and disposal of wastes derived from the UST removals. Wastes were disposed of properly as described in Section 4.0 of this Closure Report.

3.3.1 Sub-task 3A - Evacuating Contents of USTs

A vacuum truck supplied and operated by LORCO Petroleum was used to remove the contents of the USTs. The Quarters D UST tank contained approximately 400 gallons of fuel oil, and the Quarters H UST tank contained approximately 425 gallons of fuel oil. Approximately 825 gallons of oil and 125 gallons of rinse water was removed from the USTs and transported off-site. Appendix C contains the Non-Hazardous Waste Manifests.

3.3.2 Sub-task 3B-Purging Flammable Gases from the USTs

The interior atmosphere of each tank was tested with a combustible gas indicator (CGI) before pumping the contents, removing or cutting of the tank. The UST atmosphere and excavation area was regularly monitored for flammable or combustible gases with a CGI until each tank was removed from the excavation and cleaned. A final check with the CGI was made before shipping the tanks off site.

3.3.3 Sub-task 3C-Excavation, Removal and Disposal of USTs

Once all oil had been removed from the tanks, and the atmosphere tested for flammable gases, the soils above the tanks were excavated using a 580 Case backhoe. Any fixtures or lines were drained, disconnected and capped (if required). The soils surrounding the UST were then excavated with the backhoe. Excavated soils were stockpiled on polyethylene sheeting near the excavation, and were visibly inspected for staining or product and screened with a photo-ionization detector (PID). Based on inspection, the soils could be used as clean backfill to fill the voids left by the removal of the tanks. The tanks were visually inspected for structural integrity and found to be intact with no leaks. The UST and any associated lines were removed from the excavation by the backhoe. A decontamination pad was created for the USTs and associated lines for cleaning and staging until shipment off site. Immediately before and after removal, the UST atmosphere was monitored for flammable gases and purged with fresh air using a Ventura® blower.

A window was cut into the side of each tank to allow cleaning of the tank interior. The interior of the tanks and associated fixtures were pressure washed and a squeegee was used to remove residual product. Pressure washing occurred on the decontamination pad. The decontamination pad was constructed to prevent the release of petroleum contaminated liquids generated during pressure washing of the tanks. All wastewater that contacted the interior of the tank was collected for disposal with the tank contents.

The depth of excavation at Quarters D was approximately 6.5 feet below ground surface (BGS). The excavation at Quarters H was approximately 7 feet BGS. Soils within the excavation were visually inspected upon removal of the USTs for staining or product and field screened with a PID. No evidence of staining in the soils or indication of contamination by air monitoring was apparent.

3.3.4 Post-Excavation Analytical Results

Three post-excavation samples were collected from the bottom of each UST excavation after the removal of the tanks and associated lines. A soil grab sample was collected from the 0-6 inch surface interval. Samples DSS01, DSS02, DSS03 were collected from the Quarters D excavation and samples HSS01, HSS02, and HSS03 were collected from the Quarters H excavation. Each

sample was analyzed for Total Petroleum Hydrocarbons (TPH) (SW-846, Method 8015) by ChemTech laboratory, Englewood, New Jersey.

Sample analysis indicates that the soils are below the 10,000 ppm NJDEP Cleanup Criteria for TPH. Concentrations ranged from non-detect to 436 ppm TPH. Appendix A contains the post-excavation TPH analytical data.

3.3.5 Sub-task 3D-Restoration of UST Sites

Based upon field evidence (no visual contamination and no PID readings of the soils) the excavations were backfilled after the tanks were removed. The excavated soils and clean certified fill (from an off site source) was used to restore the excavations to original grade. The area was then seeded with perennial rye grass, and hay was placed to stabilize the seeds and soil until the grass is established.

3.3.6 Sub-task 3E-Removal of the Concrete Pad, Quarters D

A concrete pad at Quarters D was removed by backhoe and shipped off site with the concrete from the septic tank.

3.4 TASK 4 - SEPTIC TANK REMOVAL

Two concrete septic tanks were removed from the Quarters D and H area. Russel Reid used a jet wash and vacuum truck to clean-out the waste septic and rinse water from the tank interiors. Once the septic tanks were cleaned, Foster Wheeler Environmental tested for flammable gases, excavated and removed the tanks, restored the site, and arranged for the transportation and disposal of wastes derived from the septic tank removal. Waste was disposed of properly as described in Section 4.0 of this Closure Report.

3.4.1 Sub-task 4A-Evacuating Contents of the Septic Tanks

Some septic waste remained in each tank. The septic waste, and water used to rinse the septic tanks, was pumped from the tanks by a vacuum truck operated by Russel Reid. Approximately 1,000 gallons of septic waste and wastewater was removed from the two septic tanks at Quarters D and H.

3.4.2 Sub-task 4B-Excavation, Removal and Disposal of Septic Tanks

The septic tank at Quarters D was comprised of a two-compartment concrete block structure, in which the concrete blocks were spaced on the bottom of the second chamber to allow the drainage of septic waters to the surrounding soils. No constructed leach field was encountered at the Quarters D septic tank.

The septic tank at Quarters H was comprised of a two-compartment concrete block structure with a large poured concrete cap. The second chamber drained to a leach field located to the west of the septic tank

Once all waste was removed from the septic tanks, the concrete and concrete block comprising each tank was excavated using a backhoe. Any fixtures or lines were disconnected and capped. The concrete debris from the tanks was shipped off site for recycling. Any liquids generated during rinsing of the septic tanks were collected for disposal. Immediately before and after removal, the atmosphere of the work area and the tanks were monitored for flammable gases and allowed to vent with fresh air.

All soils were visually inspected and screened with a PID and no evidence of contamination was apparent. No post-excavation sample collection was performed at the septic tanks. Excavated soils were stockpiled near the excavation. The soils were used as clean backfill to fill the voids left by the removal of the tanks and the leach fields.

3.4.3 Sub-task 4C-Restoration of Septic Tank Sites

Once the septic tanks and the leach fields were removed, the voids were backfilled with the excavated soils. The excavated area was brought up to grade with common certified-clean fill and graded. The area was then seeded with perennial rye grass, and hay was placed to stabilize the seeds and soil until the grass is established.

3.4.4 Leach Field Soil Analytical Results

One subsurface soil sample was collected from the leach field or discharge area of the septic tanks at Quarters D and H. Sample DSS04 was collected from the topographically downgradient discharge end of the septic tank since there was no leach field associated with this septic tank. The sample was collected from a depth of 6 feet below grade. Sample HSS04 was collected from a depth of 6 feet below grade in the Quarters H leach field. Each sample was analyzed for volatile (VOC) (SW-846, Method 8260) and semi-volatile (SVOC) (SW-846, Method 8270) organic compounds by ChemTech laboratory, Englewood, New Jersey. All analytical results were non-detect, except for the SVOC tentatively identified compounds (TICs). SVOC TICs for sample DSS04 had a concentration of 1,050 ug/Kg, and sample HSS04 of 1,670 ug/Kg. As the values are estimated and the majority are unknown compounds or at best, tentatively identified, there are no regulatory criteria with which to compare them.

Appendix B contains the VOC and SVOC analytical data for the leach field samples. Figures 2-2 and 2-3 detail the approximate leach field locations.

3.5 TASK 5 - ABANDONMENT OF POTABLE WATER WELL

Foster Wheeler was tasked to abandon a potable water well located at Quarters H. Considerable effort was taken to locate the former well, but it could not be located. Since no drawings existed and the house had been demolished, and the area backfilled upon our mobilization, the location

of the former well was not evident. Naval Weapons Station-Earle personnel that were involved in the demolition of the home, and personnel that had knowledge of the former housing layout were contacted and brought out to the site in an attempt to locate the well. A backhoe was used to excavate around the suspected location of the well, but indication of a well could be located. A metal detector was used to attempt and possible piping from the former housing area to the well. The items detected by the metal detector were excavated with the backhoe in an attempt to locate the pipe, but were not successful.

4.0 WASTE REMOVAL/REGULATORY COMPLIANCE

This section addresses how the waste generated during the tank removals was handled. All wastes generated by these activities were considered non-hazardous. These wastes included steel and concrete demolition debris, septic waste, waste/rinse waters, residual product, miscellaneous debris, and PPE. All disposal facilities and transporters were approved for use in accordance with Foster Wheeler Corporation Regulatory Compliance Procedures, and approved by the Navy. All non-hazardous solid wastes generated on-site were disposed of or recycled in accordance with NJ Solid Waste Regulations. All solid wastes were recycled at a permitted recycling facility. Appendix C contains the waste manifests and/or bills of lading and transport documentation.

The waste/rinse waters, sludge and oil from the USTs were transported off site by LORCO Petroleum to their disposal/recycling facility. Any decontamination liquids were collected and disposed of with the oil/water. Approximately 825 gallons of oil and 125 of waste/rinse waste were shipped off site.

The tanks and associated fixtures were transported and recycled as scrap metal. The USTs and fixtures were transported by Clean Harbors to Camden Iron and Metal in Camden, New Jersey for recycling. Approximately 2 tons of steel was shipped off site for recycling.

Septic wastes and rinse waters were transported and disposed of by Russel Reid at their facility. Any decontamination liquids were collected and disposed of with the septic wastes.

Approximately 12 tons of concrete from the septic tanks at Quarters D and H and the concrete pad at Quarters H were transported off site for recycling. The concrete was transported and recycled by Lertch Recycling.

5.0 QUALITY ASSURANCE/QUALITY CONTROL

5.1 DOCUMENTATION

Documentation of operations, record keeping, photographic evidence of work performed, and any engineering or analytical results are provided in this Closure Report.

The locations of the USTs, septic tanks, and the leach fields were located with GPS, and the coordinates will be in the State Plane Coordinate System for future inclusion into a GIS database. Figures of the site layout include the state plane coordinates.

5.1.1 Operations Record keeping

All field inspection and testing activities were documented in a project logbook. The project logbook is maintained in accordance with the relevant Foster Wheeler Environmental Field Technical Guidelines. The Project Manager will maintain records of quality control operations and documentation.

5.1.2 Photographic Documentation

Still 35mm color photographs were taken to record work progress. Photographs were taken of the existing conditions before work began, and during the excavation, backfilling, and site restoration activities. The photographic log is included in this Closure Report as Appendix D.

TABLE 1

Total Petroleum Hydrocarbons Analytical Data
Post Excavation Samples

SAMPLE ID	NJDEP CLEANUP CRITERIA	HSS01	HSS02	HSS03
DATE COLLECTED		8/6/1999	8/6/1999	8/6/1999
LOCATION		Quarters H	Quarters H	Quarters H
MATRIX		soil	soil	soil
UNITS		mg/Kg	mg/Kg	mg/Kg
COMMENTS		UST Post-excavation	UST Post-excavation	UST Post-excavation
Total Petroleum Hydrocarbons	10,000 mg/Kg	76.4	436	36.1

SAMPLE ID	NJDEP CLEANUP CRITERIA	DSS01	DSS02	DSS03
DATE COLLECTED		8/6/1999	8/6/1999	8/6/1999
LOCATION		Quarters D	Quarters D	Quarters D
MATRIX		soil	soil	soil
UNITS		mg/Kg	mg/Kg	mg/Kg
COMMENTS		UST Post-excavation	UST Post-excavation	UST Post-excavation
Total Petroleum Hydrocarbons	10,000 mg/Kg	<37.9	<37.58	<38.0

FOSTER WHEELER ENVIRONMENTAL CORPORATION

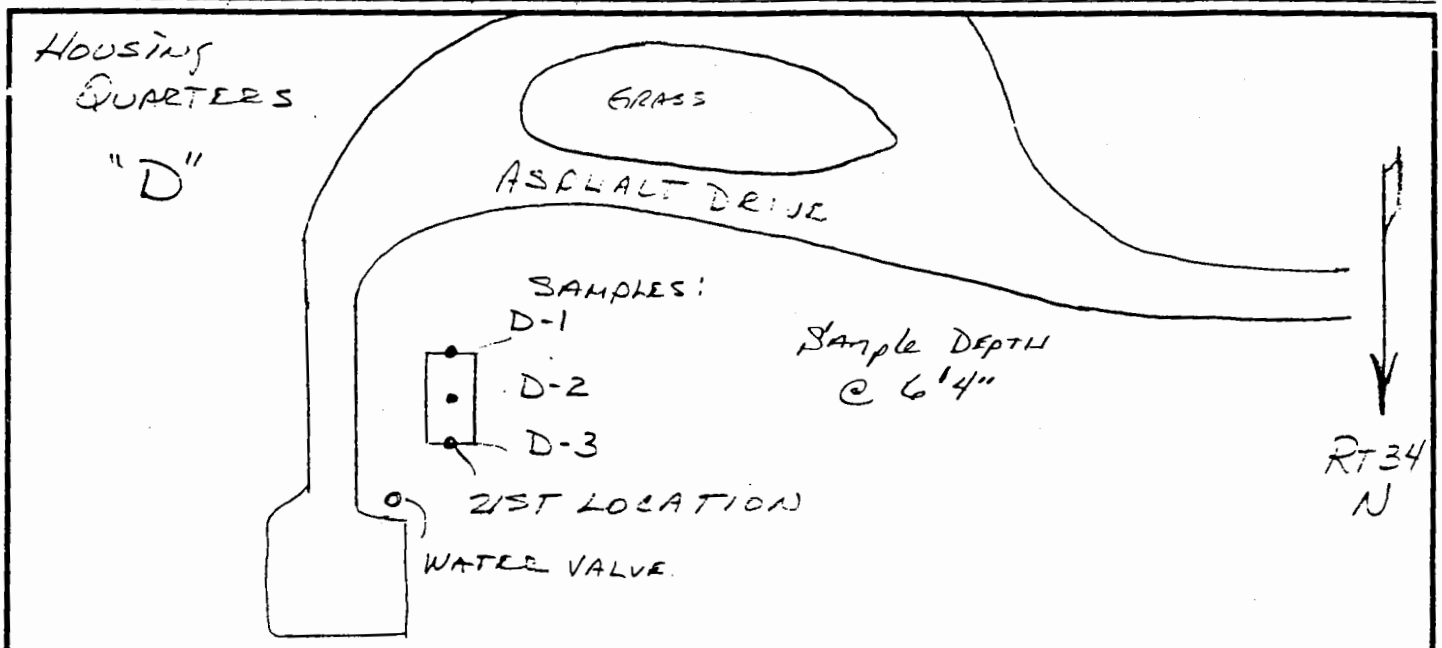
BY REG DATE 8-6-99 SHEET 1 OF 1

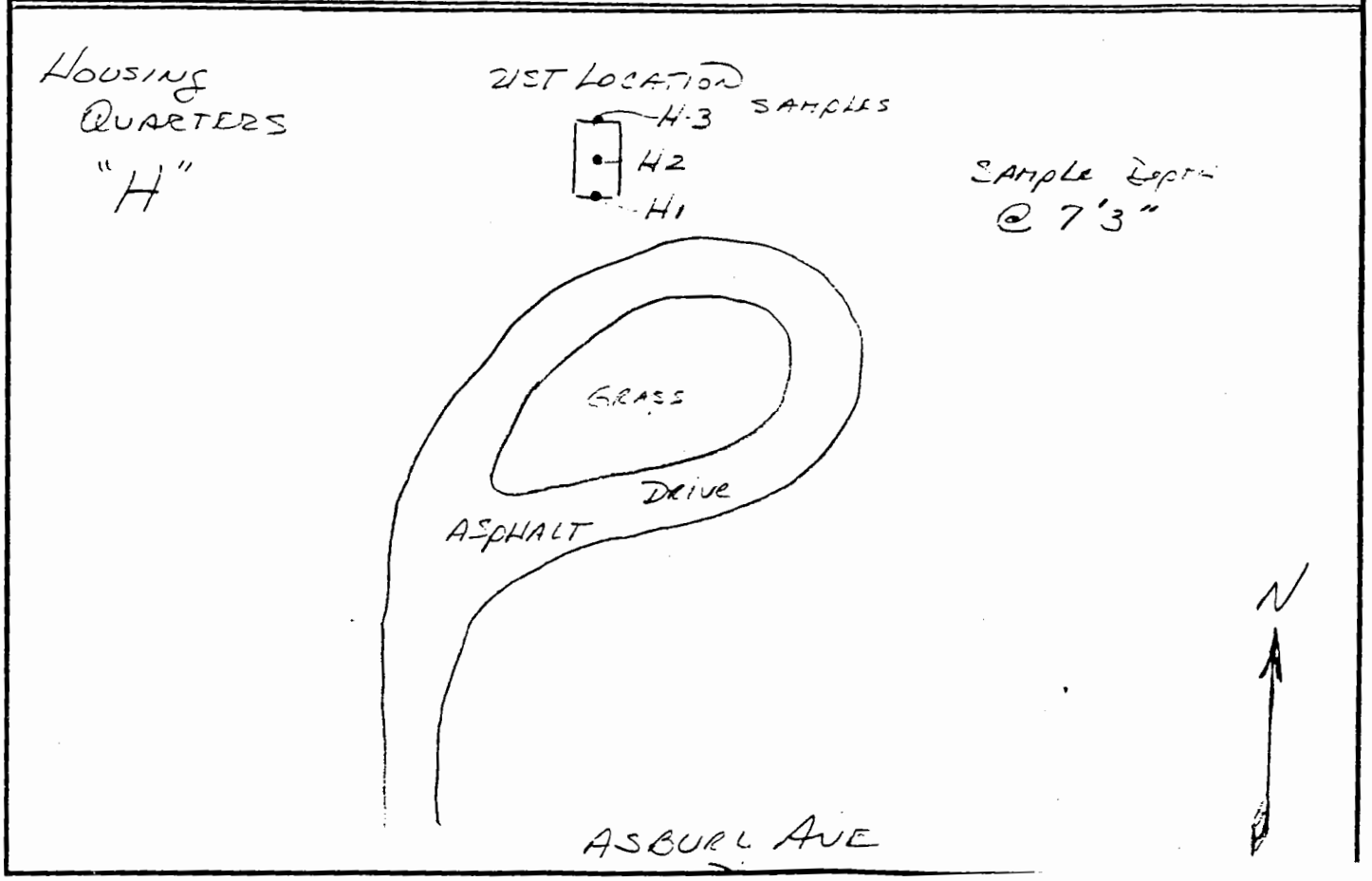
CHKD. BY _____ DATE _____ OFS NO. _____ DEPT. NO. _____

CLIENT NWIE COLTS NECK.

PROJECT QUARTERS D & H - UST CLOSURE & SEPTIC SYST ABANDONMENT

SUBJECT UST SAMPLING LOCATIONS





CHEMTECH 110 Route 4 • Englewood, New Jersey 07631 Phone: (201) 567-6868 Fax: (201) 567-1333

RESULTS SUMMARY

EARLE NAVAL STATION

FOSTER WHEELER ENVIROMENTAL
2300 LINCOLN HIGHWAY EAST
LANGHORNE PA 19047
215-702-4074

CHEMTECH PROJECT #	12945NJ
ATTENTION	MIKE HEFFRON

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

FOSTER WHEELER ENVIRONMENTAL
ONE OXFORD VALLEY
SUITE 200
LANGHORNE, PA 19047-
Attn: MIKE HEFFRON

DATE: 08/13/99

PROJECT # 12945 NJ

SAMPLE NUMBER- 81229 SAMPLE ID- HSS03
DATE SAMPLED- 08/06/99 TIME SAMPLED- 0815 SAMPLER- CLIENT
DATE RECEIVED- 08/10/99 TIME RECEIVED- 1800
DELIVERED BY- CHEM RECEIVED BY- AD SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	08/11/99		HNP	36.1	mg/Kg
SOLIDS, PERCENT	160.3	08/11/99		BP	93.39	%

LABORATORY DIRECTOR _____

110 Route 4
Englewood, New Jersey 07631
Phone: (201) 567-6868 Fax: (201) 567-1333

515 Route 9
Barnegat, New Jersey 08005
Phone: (609) 698-0199 Fax: (609) 698-0910

NYSDOH Certification No. 10624
NJDEP Certification No. 02548

NJDEP Certification No. 15004

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

FOSTER WHEELER ENVIRONMENTAL
ONE OXFORD VALLEY
SUITE 200
LANGHORNE, PA 19047-
Attn: MIKE HEFFRON

DATE: 08/13/99

PROJECT # 12945 NJ

SAMPLE NUMBER- 81230 SAMPLE ID- DSS01
DATE SAMPLED- 08/06/99 TIME SAMPLED- 1030 SAMPLER- CLIENT
DATE RECEIVED- 08/10/99 TIME RECEIVED- 1800
DELIVERED BY- CHEM RECEIVED BY- AD SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	08/11/99		HNP	<37.90	mg/Kg
SOLIDS, PERCENT	160.3	08/11/99		BP	87.84	%

LABORATORY DIRECTOR _____

110 Route 4
Englewood, New Jersey 07631
Phone: (201) 567-6868 Fax: (201) 567-1333

515 Route 9
Barnegat, New Jersey 08005
Phone: (609) 698-0199 Fax: (609) 698-0910

NYSDOH Certification No. 10624
NJDEP Certification No. 02548

NJDEP Certification No. 15004

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

FOSTER WHEELER ENVIRONMENTAL
ONE OXFORD VALLEY
SUITE 200
LANGHORNE, PA 19047-
Attn: MIKE HEFFRON

DATE: 08/13/99

PROJECT # 12945 NJ

SAMPLE NUMBER- 81231 SAMPLE ID- DSS02
DATE SAMPLED- 08/06/99 TIME SAMPLED- 1035 SAMPLER- CLIENT
DATE RECEIVED- 08/10/99 TIME RECEIVED- 1800
DELIVERED BY- CHEM RECEIVED BY- AD SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	08/11/99		HNP	<37.58	mg/Kg
SOLIDS, PERCENT	160.3	08/11/99		BP	88.59	%

LABORATORY DIRECTOR _____

110 Route 4
Englewood, New Jersey 07631
Phone: (201) 567-6868 Fax: (201) 567-1333

515 Route 9
Barnegat, New Jersey 08005
Phone: (609) 698-0199 Fax: (609) 698-0910

NYSDOH Certification No. 10624
NJDEP Certification No. 02548

NJDEP Certification No. 15004

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

FOSTER WHEELER ENVIRONMENTAL
ONE OXFORD VALLEY
SUITE 200
LANGHORNE, PA 19047-
Attn: MIKE HEFFRON

DATE: 08/13/99

PROJECT # 12945 NJ

SAMPLE NUMBER- 81232 SAMPLE ID- DSS03
DATE SAMPLED- 08/06/99 TIME SAMPLED- 1040 SAMPLER- CLIENT
DATE RECEIVED- 08/10/99 TIME RECEIVED- 1800
DELIVERED BY- CHEM RECEIVED BY- AD SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	08/11/99		HNP	<38.00	mg/Kg
SOLIDS, PERCENT	160.3	08/11/99		BP	87.63	%

LABORATORY DIRECTOR _____

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515 Route 9
Barnegat, New Jersey 08005
Phone: (609) 698-0199 Fax: (609) 698-0910

NYSDOH Certification No. 10624
NJDEP Certification No. 02548

NJDEP Certification No. 15004

TABLE 2

Volatile Organic Compounds Analytical Data

SAMPLE ID		HSS04		DSS04	
DATE COLLECTED		8/10/1999		8/10/1999	
LOCATION		Quarters H		Quarters D	
MATRIX		soil		soil	
UNITS		ug/l		ug/l	
COMMENTS		Septic Leach Field		Septic Leach Field	
Dichlorodiflouromethane		210	U	220	U
Chloromethane		430	U	440	U
Vinyl Chloride		240	U	250	U
Bromomethane		490	U	500	U
Chloroethane		650	U	660	U
Acrolein		650	U	660	U
Trichlorofluormethane		150	U	150	U
1,1-Dichloroethene		250	U	260	U
Acetone		650	U	660	U
Carbon Disulfide		650	U	660	U
Methylene Chloride		130	U	130	U
trans-1,2-Dichloroethene		550	U	560	U
Acrylonitrile		650	U	660	U
1,1-Dichloroethane		170	U	170	U
2,2-Dichloropropane		130	U	130	U
cis-1,2-Dichloroethene		220	U	230	U
Bromochloromethane		220	U	230	U
Chloroform		150	U	160	U
1,1,1-Trichloroethane		120	U	120	U
Vinyl Acetate		650	U	660	U
2-Butanone		650	U	660	U
Carbon Tetrachloride		520	U	530	U
1,1-Dichloropropene		150	U	150	U
Benzene		130	U	130	U
1,2-Dichloroethane		130	U	130	U
Trichloroethene		340	U	340	U
1,2-Dichloropropane		440	U	450	U
Dibromomethane		190	U	190	U
Bromodichloromethane		130	U	130	U
2-Chloroethyl Vinyl Ether		650	U	660	U
cis-1,3-Dichloropropene		130	U	130	U
Touene		160	U	160	U
trans-1,3-Dichloropropene		130	U	130	U
1,1,2-Trichloroethane		180	U	180	U
4-Methyl-2-Pentanone		650	U	660	U
Tetrachloroethene		140	U	150	U
1,3-Dichloropropane		160	U	160	U
Dibromochloromethane		91	U	93	U
1,2-Dibromoethane		210	U	210	U
2-Hexanone		650	U	660	U
Chlorobenzene		140	U	150	U
1,1,1,2-Tetrachloroethane		160	U	160	U
Ethylbenzene		140	U	150	U
m&p-Xylenes		300	U	310	U
o-Xylene		160	U	160	U
Styrene		26	U	27	U
Bromoform		65	U	66	U
Isopropylbenzene		170	U	170	U
Bromobenzene		130	U	130	U
1,1,2,2-Tertrachloroethane		210	U	210	U
1,2,3-Trichloropropane		330	U	330	U
n-Propylbenzene		170	U	170	U
2-Chlorotoluene		140	U	150	U
4-Chlorotoluene		130	U	130	U
1,3,5-Trimethylbenzene		210	U	210	U
tert-Butylbenzene		160	U	160	U
1,2,4-Trimethylbenzene		210	U	210	U
sec-Butylbenzene		160	U	160	U
1,3-Dichlorobenzene		160	U	160	U
4-Isopropyltolume		120	U	120	U
1,4-Dichlorobenzene		160	U	160	U
1,2-Dichlorobenzene		130	U	130	U
n-Butylbenzene		220	U	230	U
1,2-Dibromo-3-chloropropane		650	U	660	U
1,2,4-Trichlorobenzene		160	U	160	U
Hexachlorobutadiene		130	U	130	U
Napthalene		310	U	320	U
1,2,3-Trichlorobenzene		180	U	190	U
TICs (total)			U		U

U-non-detect above the detection limit
J-estimated value

TABLE 3

Semi-Volatile Organic Compounds Analytical Data

SAMPLE ID		HSS04		DSS04	
DATE COLLECTED		8/10/1999		8/10/1999	
LOCATION		Quarters H		Quarters D	
MATRIX		soil		soil	
UNITS		ug/l		ug/l	
COMMENTS		Septic Leach Field		Septic Leach Field	
Phenol		13	U	14	U
bis(2-Chloroethyl)ether		14	U	14	U
2,2'-oxybis(1-Chloropropane)		11	U	11	U
2_Chlorophenol		45	U	46	U
1,2-Dichlorobenzene		20	U	21	U
1,3-Dichlorobenzene		5.2	U	5.3	U
1,4-Dichlorobenzene		12	U	12	U
2-Methylphenol		67	U	68	U
3+4-Methylphenol		69	U	71	U
n-Nitro-di-n-propylamine		13	U	14	U
Hexachloroethane		18	U	18	U
Nitrobenzene		6.5	U	6.7	U
Ispophorone		10	U	10	U
2_Nitrophenol		110	U	110	U
2,4-Dimethylphenol		30	U	31	U
bis(2-Chloroethoxy)methane		20	U	20	U
2,4-Dichlorophenol		86	U	88	U
Benzyl Alcohol		64	U	66	U
Benzoic Acid		45	U	46	U
1,2,4-Trichlorobenzene		8.9	U	9.1	U
Napthalene		6.2	U	6.3	U
4-Chloroaniline		69	U	71	U
Hexachlorobutadiene		10	U	11	U
4-Chloro-3-methylphenol		69	U	70	U
2-Methylnapththalene		1.8	U	1.8	U
Hexachlorocyclopentadiene		9.6	U	9.8	U
2,4,6-Trichlorophenol		44	U	45	U
2,4,5-Trichlorophenol		91	U	93	U
2-Chloronaphthalene		5.8	U	6	U
2-Nitroaniline		120	U	130	U
Dimethylphthalate		10	U	11	U
Acenaphthylene		7.6	U	7.7	U
2,6-Dinitrotoluene		16	U	17	U
3-Nitroaniline		130	U	140	U
Acenaphthene		6.2	U	6.3	U
2,4-Dinitrophenol		160	U	170	U
4-Nitrophenol		34	U	35	U
Dibenzofuran		54	U	55	U
2,4-Dinitrotoluene		9.3	U	9.5	U
Diethylphthalate		8.6	U	8.8	U
4-Chlorophenyl-phenylether		9.3	U	9.5	U
Fluorene		6.5	U	6.7	U
4-Nitroaniline		180	U	190	U
4,6-Dinitro-2-methylphenol		220	U	220	U
N-Nitrosodiphenylamine		12	U	12	U
1,2-Diphenylhydrazine		16	U	17	U
4-Bromophenyl-phenylether		23	U	24	U
Hexachlorobenzene		16	U	16	U
Pentachlorophenol		110	U	110	U
Phenanthrene		13	U	14	U
Anthracene		22	U	22	U
Di-n-butylphthalate		27	U	28	U
Fluoranthene		11	U	11	U
Pyrene		10	U	10	U
Butylbenzylphthalate		13	U	13	U
3,3'-Dichlorobenzidine		140	U	140	U
Benzo[a]anthracene		12	U	12	U
Chrysene		19	U	19	U
bis(2-Ethylhexyl)phthalate		64	U	66	U
Di-n-octylphthalate		17	U	17	U
Benzo[b]fluoranthene		110	U	110	U
Benzo[k]fluoranthene		100	U	100	U
Benzo[a]pyrene		15	U	15	U
Ideno(1,2,3-cd)pyrene		27	U	27	U
Dibenze[a,h]anthracene		51	U	52	U
Benzo[g,h,i]perylene		8.6	U	8.8	U
TICs (total)		1670	J	1050	J

U-non-detect above the detection limit
J-estimated value

CHEMTECH 110 Route 4 • Englewood, New Jersey 07631 Phone: (201) 567-6868 Fax: (201) 567-1333

RESULTS SUMMARY

EARLE NAVAL STATION

FOSTER WHEELER ENVIROMENTAL
2300 LINCOLN HIGHWAY EAST
LANGHORNE PA 19047
215-702-4074

CHEMTECH PROJECT # **12945NJ**
ATTENTION **MIKE HEFFRON**

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81233

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06977.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	220	U
74-87-3	Chloromethane	440	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	660	U
107-02-8	Acrolein	660	U
75-69-4	Trichlorofluoromethane	150	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	660	U
75-09-2	Methylene Chloride	130	U
156-60-5	trans-1,2-Dichloroethene	560	U
107-13-1	Acrylonitrile	660	U
75-34-3	1,1-Dichloroethane	170	U
594-20-7	2,2-Dichloropropane	130	U
156-59-2	cis-1,2-dichloroethene	230	U
74-97-5	Bromochloromethane	230	U
67-66-3	Chloroform	160	U
71-55-6	1,1,1-Trichloroethane	120	U
108-05-4	Vinyl Acetate	660	U
78-93-3	2-Butanone	660	U
56-23-5	Carbon Tetrachloride	530	U
563-58-6	1,1-Dichloropropene	150	U
71-43-2	Benzene	130	U
107-06-2	1,2-Dichloroethane	130	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	450	U
74-95-3	Dibromomethane	190	U
75-27-4	Bromodichloromethane	130	U
110-07-3	2-Chloroethyl Vinyl Ether	660	U
10061-01-5	cis-1,3-Dichloropropene	130	U
108-88-3	Toluene	160	U
10061-02-6	trans-1,3-Dichloropropene	130	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS-3

Matrix: (soil/water) SOIL Lab Sample ID: O81233

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06977.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 uL

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
79-00-5	1,1,2-Trichloroethane	180	U
108-10-1	4-Methyl-2-Pentanone	660	U
127-18-4	Tetrachloroethene	150	U
142-28-9	1,3-Dichloropropane	160	U
124-48-1	Dibromochloromethane	93	U
106-93-4	1,2-Dibromoethane	210	U
591-78-6	2-Hexanone	660	U
108-90-7	Chlorobenzene	150	U
630-20-6	1,1,1,2-Tetrachloroethane	160	U
100-41-4	Ethylbenzene	150	U
136777-61-2	m&p-xylenes	310	U
95-47-6	o-xylene	160	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	66	U
98-82-8	Isopropylbenzene	170	U
108-86-1	Bromobenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	210	U
96-18-4	1,2,3-Trichloropropane	330	U
103-65-1	n-Propylbenzene	170	U
95-49-8	2-Chlorotoluene	150	U
106-43-4	4-Chlorotoluene	130	U
108-67-8	1,3,5-Trimethylbenzene	210	U
98-06-6	tert-Butylbenzene	160	U
95-63-6	1,2,4-Trimethylbenzene	210	U
135-98-8	sec-Butylbenzene	160	U
541-73-1	1,3-Dichlorobenzene	160	U
99-87-6	4-Isopropyltoluene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
95-50-1	1,2-Dichlorobenzene	130	U
104-51-8	n-Butylbenzene	230	U
96-12-8	1,2-Dibromo-3-chloropropane	660	U
120-82-1	1,2,4-Trichlorobenzene	160	U
87-68-3	Hexachlorobutadiene	130	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81233

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06977.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
91-20-3	Naphthalene	320	U
87-61-6	1,2,3-Trichlorobenzene	190	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1294 Site: Location: Group: DSS03

Matrix: (soil water) SOIL Lab Sample ID: O81233

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06977.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

	CAS Number	Compound Name	RT	Est. Conc.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS04RE

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81233RE

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06988.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	220	U
74-87-3	Chloromethane	440	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	660	U
107-02-8	Acrolein	660	U
75-69-4	Trichlorofluoromethane	150	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	660	U
75-09-2	Methylene Chloride	130	U
156-60-5	trans-1,2-Dichloroethene	560	U
107-13-1	Acrylonitrile	660	U
75-34-3	1,1-Dichloroethane	170	U
594-20-7	2,2-Dichloropropane	130	U
156-59-2	cis-1,2-dichloroethene	230	U
74-97-5	Bromochloromethane	230	U
67-66-3	Chloroform	160	U
71-55-6	1,1,1-Trichloroethane	120	U
108-05-4	Vinyl Acetate	660	U
78-93-3	2-Butanone	660	U
56-23-5	Carbon Tetrachloride	530	U
563-58-6	1,1-Dichloropropene	150	U
71-43-2	Benzene	130	U
107-06-2	1,2-Dichloroethane	130	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	450	U
74-95-3	Dibromomethane	190	U
75-27-4	Bromodichloromethane	130	U
110-07-3	2-Chloroethyl Vinyl Ether	660	U
10061-01-5	cis-1,3-Dichloropropene	130	U
108-88-3	Toluene	160	U
10061-02-6	trans-1,3-Dichloropropene	130	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DSS04RE

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: OS1233RE

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06988.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
79-00-5	1,1,2-Trichloroethane	180	U
108-10-1	4-Methyl-2-Pentanone	660	U
127-18-4	Tetrachloroethene	150	U
142-28-9	1,3-Dichloropropane	160	U
124-48-1	Dibromochloromethane	93	U
106-93-4	1,2-Dibromoethane	210	U
591-78-6	2-Hexanone	660	U
108-90-7	Chlorobenzene	150	U
630-20-6	1,1,1,2-Tetrachloroethane	160	U
100-41-4	Ethylbenzene	150	U
136777-61-2	m&p-xylenes	310	U
95-47-6	o-xylene	160	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	66	U
98-82-8	Isopropylbenzene	170	U
108-86-1	Bromobenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	210	U
96-18-4	1,2,3-Trichloropropane	330	U
103-65-1	n-Propylbenzene	170	U
95-49-8	2-Chlorotoluene	150	U
106-43-4	4-Chlorotoluene	130	U
108-67-8	1,3,5-Trimethylbenzene	210	U
98-06-6	tert-Butylbenzene	160	U
95-63-6	1,2,4-Trimethylbenzene	210	U
135-98-8	sec-Butylbenzene	160	U
541-73-1	1,3-Dichlorobenzene	160	U
99-87-6	4-Isopropyltoluene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
95-50-1	1,2-Dichlorobenzene	130	U
104-51-8	n-Butylbenzene	230	U
96-12-8	1,2-Dibromo-3-chloropropane	660	U
120-82-1	1,2,4-Trichlorobenzene	160	U
87-68-3	Hexachlorobutadiene	130	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS04RE

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil water) SOIL Lab Sample ID: 081233RE

Sample wt/vol: 11.0 (g/mL) G Lab File ID: N06988.D

Level: (low med) MED Date Received: 8/10/99

% Moisture: not dec. 6 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug L or ug Kg) ug Kg

CAS No.	Compound		Q
91-20-3	Napthalene	320	U
87-61-6	1,2,3-Trichlorobenzene	190	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) SOIL Lab Sample ID: O81233

Sample wt/vol: 30.0 (g/mL G Lab File ID: B5438.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: 6 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	14	U
111-44-4	bis(2-Chloroethyl)ether	14	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-57-8	2-Chlorophenol	46	U
95-50-1	1,2-Dichlorobenzene	21	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	12	U
95-48-7	2-Methylphenol	68	U
106-44-5	3+4-Methyphenols	71	U
621-64-7	n-Nitroso-di-n-propylamine	14	U
67-72-1	Hexachloroethane	18	U
98-95-3	Nitrobenzene	6.7	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	31	U
111-91-1	bis(2-Chloroethoxy)methane	20	U
120-83-2	2,4-Dichlorophenol	88	U
100-51-6	Benzyl Alcohol	66	U
65-85-0	Benzoic Acid	46	U
120-82-1	1,2,4-Trichlorobenzene	9.1	U
91-20-3	Naphthalene	6.3	U
106-47-8	4-Chloroaniline	71	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	70	U
91-57-6	2-Methylnaphthalene	1.8	U
77-47-4	Hexachlorocyclopentadiene	9.8	U
88-06-2	2,4,6-Trichlorophenol	45	U
95-95-4	2,4,5-Trichlorophenol	93	U
91-58-7	2-Chloronaphthalene	6	U
88-74-4	2-Nitroaniline	130	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	7.7	U
606-20-2	2,6-Dinitrotoluene	17	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

DSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) SOIL Lab Sample ID: O81233

Sample wt/vol: 30.0 (g/mL G Lab File ID: B5438.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: 6 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	140	U
83-32-9	Acenaphthene	6.3	U
51-28-5	2,4-Dinitrophenol	170	U
100-02-7	4-Nitrophenol	35	U
132-64-9	Dibenzofuran	55	U
121-14-2	2,4-Dinitrotoluene	9.5	U
84-66-2	Diethylphthalate	8.8	U
7005-72-3	4-Chlorophenyl-phenylether	9.5	U
86-73-7	Fluorene	6.7	U
100-01-6	4-Nitroaniline	190	U
534-52-1	4,6-Dinitro-2-methylphenol	220	U
86-30-6	N-Nitrosodiphenylamine	12	U
122-66-7	1,2-Diphenylhydrazine	17	U
101-55-3	4-Bromophenyl-phenylether	24	U
118-74-1	Hexachlorobenzene	16	U
87-86-5	Pentachlorophenol	110	U
85-01-8	Phenanthrene	14	U
120-12-7	Anthracene	22	U
84-74-2	Di-n-butylphthalate	28	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	13	U
91-94-1	3,3'-Dichlorobenzidine	140	U
56-55-3	Benzo[a]anthracene	12	U
218-01-9	Chrysene	19	U
117-81-7	bis(2-Ethylhexyl)phthalate	66	U
117-84-0	Di-n-octylphthalate	17	U
205-99-2	Benzo[b]fluoranthene	110	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	15	U
193-39-5	Indeno(1,2,3-cd)pyrene	27	U
53-70-3	Dibenz[a,h]anthracene	52	U
191-24-2	Benzo[g,h,i]perylene	8.8	U

1E

SAMPLE NO.

HSS04

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 1294 Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: 081234

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N06978.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 4 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug Kg) ug Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HSS04RE

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81234RE

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N06989.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 4 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
79-00-5	1,1,2-Trichloroethane	180	U
108-10-1	4-Methyl-2-Pentanone	650	U
127-18-4	Tetrachloroethene	140	U
142-28-9	1,3-Dichloropropane	160	U
124-48-1	Dibromochloromethane	91	U
106-93-4	1,2-Dibromoethane	210	U
591-78-6	2-Hexanone	650	U
108-90-7	Chlorobenzene	140	U
630-20-6	1,1,1,2-Tetrachloroethane	160	U
100-41-4	Ethylbenzene	140	U
136777-61-2	m&p-xylenes	300	U
95-47-6	o-xylene	160	U
100-42-5	Styrene	26	U
75-25-2	Bromoform	65	U
98-82-8	isopropylbenzene	170	U
108-86-1	Bromobenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	210	U
96-18-4	1,2,3-Trichloropropane	330	U
103-65-1	n-Propylbenzene	170	U
95-49-8	2-Chlorotoluene	140	U
106-43-4	4-Chlorotoluene	130	U
108-67-8	1,3,5-Trimethylbenzene	210	U
98-06-6	tert-Butylbenzene	160	U
95-63-6	1,2,4-Trimethylbenzene	210	U
135-98-8	sec-Butylbenzene	160	U
541-73-1	1,3-Dichlorobenzene	160	U
99-87-6	4-Isopropyltoluene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
95-50-1	1,2-Dichlorobenzene	130	U
104-51-8	n-Butylbenzene	220	U
96-12-8	1,2-Dibromo-3-chloropropane	650	U
120-82-1	1,2,4-Trichlorobenzene	160	U
87-68-3	Hexachlorobutadiene	130	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HSS04RE

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81234RE

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N06989.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 4 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug Kg) ug Kg

CAS No.	Compound		Q
91-20-3	Naphthalene	310	U
87-61-6	1,2,3-Trichlorobenzene	180	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) SOIL Lab Sample ID: O81234

Sample wt/vol: 30.0 (g/mL G Lab File ID: B5439.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: 4 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	13	U
111-44-4	bis(2-Chloroethyl)ether	14	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-57-8	2-Chlorophenol	45	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	12	U
95-48-7	2-Methylphenol	67	U
106-44-5	3+4-Methyphenols	69	U
621-64-7	n-Nitroso-di-n-propylamine	13	U
67-72-1	Hexachloroethane	18	U
98-95-3	Nitrobenzene	6.5	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	30	U
111-91-1	bis(2-Chloroethoxy)methane	20	U
120-83-2	2,4-Dichlorophenol	86	U
100-51-6	Benzyl Alcohol	64	U
65-85-0	Benzoic Acid	45	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U
91-20-3	Naphthalene	6.2	U
106-47-8	4-Chloroaniline	69	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	69	U
91-57-6	2-Methylnaphthalene	1.8	U
77-47-4	Hexachlorocyclopentadiene	9.6	U
88-06-2	2,4,6-Trichlorophenol	44	U
95-95-4	2,4,5-Trichlorophenol	91	U
91-58-7	2-Chloronaphthalene	5.8	U
88-74-4	2-Nitroaniline	120	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	7.6	U
606-20-2	2,6-Dinitrotoluene	16	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

HSS04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) SOIL Lab Sample ID: O81234

Sample wt/vol: 30.0 (g/mL G Lab File ID: B5439.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: 4 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	130	U
83-32-9	Acenaphthene	6.2	U
51-28-5	2,4-Dinitrophenol	160	U
100-02-7	4-Nitrophenol	34	U
132-64-9	Dibenzofuran	54	U
121-14-2	2,4-Dinitrotoluene	9.3	U
84-66-2	Diethylphthalate	8.6	U
7005-72-3	4-Chlorophenyl-phenylether	9.3	U
86-73-7	Fluorene	6.5	U
100-01-6	4-Nitroaniline	180	U
534-52-1	4,6-Dinitro-2-methylphenol	220	U
86-30-6	N-Nitrosodiphenylamine	12	U
122-66-7	1,2-Diphenylhydrazine	16	U
101-55-3	4-Bromophenyl-phenylether	23	U
118-74-1	Hexachlorobenzene	16	U
87-86-5	Pentachlorophenol	110	U
85-01-8	Phenanthrene	13	U
120-12-7	Anthracene	22	U
84-74-2	Di-n-butylphthalate	27	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	13	U
91-94-1	3,3'-Dichlorobenzidine	140	U
56-55-3	Benzo[a]anthracene	12	U
218-01-9	Chrysene	19	U
117-81-7	bis(2-Ethylhexyl)phthalate	64	U
117-84-0	Di-n-octylphthalate	17	U
205-99-2	Benzo[b]fluoranthene	110	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	15	U
193-39-5	Indeno(1,2,3-cd)pyrene	27	U
53-70-3	Dibenz[a,h]anthracene	51	U
191-24-2	Benzo[g,h,i]perylene	8.6	U

1F

SAMPLE NO.

HSS04

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTA

Project No.: 1294 Site: Location: Group: HSS01

Matrix: (soil/water) SOIL Lab Sample ID: O81234

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B5439.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: 4 decanted: (Y/N) N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1.	Unknown	5.03	370	J
2.	Unknown	13.02	210	J
3. 109-21-7	Butanoic acid, butyl ester	13.35	350	J
4.	Unknown	25.57	740	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil water) WATER Lab Sample ID: O81235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N06976.D

Level: (low/med) Date Received: 8/10/99

% Moisture: not dec. 100 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	1.8	U
74-87-3	Chloromethane	1.8	U
75-01-4	Vinyl Chloride	1.3	U
74-83-9	Bromomethane	1.7	U
75-00-3	Chloroethane	2	U
107-02-8	Acrolein	5	U
75-69-4	Trichlorofluoromethane	1.3	U
75-35-4	1,1-Dichloroethene	0.6	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	0.7	U
156-60-5	trans-1,2-Dichloroethene	0.7	U
107-13-1	Acrylonitrile	5	U
75-34-3	1,1-Dichloroethane	0.4	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-dichloroethene	0.8	U
74-97-5	Bromochloromethane	0.9	U
67-66-3	Chloroform	0.8	U
71-55-6	1,1,1-Trichloroethane	0.9	U
108-05-4	Vinyl Acetate	5	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1.5	U
563-58-6	1,1-Dichloropropene	0.7	U
71-43-2	Benzene	0.9	U
107-06-2	1,2-Dichloroethane	0.9	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	0.9	U
75-27-4	Bromodichloromethane	0.6	U
110-07-3	2-Chloroethyl Vinyl Ether	5	U
10061-01-5	cis-1,3-Dichloropropene	0.1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil water) WATER Lab Sample ID: O81235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N06976.D

Level: (low, med) Date Received: 8/10/99

% Moisture: not dec. 100 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
79-00-5	1,1,2-Trichloroethane	0.9	U
108-10-1	4-Methyl-2-Pentanone	5	U
127-18-4	Tetrachloroethene	0.9	U
142-28-9	1,3-Dichloropropane	0.9	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1.2	U
591-78-6	2-Hexanone	5	U
108-90-7	Chlorobenzene	0.9	U
630-20-6	1,1,1,2-Tetrachloroethane	0.9	U
100-41-4	Ethylbenzene	0.9	U
136777-61-2	m&p-xylenes	1.3	U
95-47-6	o-xylene	0.9	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	isopropylbenzene	1	U
108-86-1	Bromobenzene	0.7	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U
103-65-1	n-Propylbenzene	0.9	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	0.9	U
108-67-8	1,3,5-Trimethylbenzene	1.1	U
98-06-6	tert-Butylbenzene	0.7	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U
135-98-8	sec-Butylbenzene	0.6	U
541-73-1	1,3-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	0.8	U
104-51-8	n-Butylbenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.4	U
120-82-1	1,2,4-Trichlorobenzene	0.8	U
87-68-3	Hexachlorobutadiene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil water) WATER Lab Sample ID: O81235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N06976.D

Level: (low/med) Date Received: 8/10/99

% Moisture: not dec. 100 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
91-20-3	Naphthalene	0.8	U
87-61-6	1,2,3-Trichlorobenzene	0.7	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1294 Site: _____ Location: _____ Group: DSS03

Matrix: (soil water) WATER Lab Sample ID: O81235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N06976.D

Level: (low med) _____ Date Received: 8/10/99

% Moisture: not dec. 100 Date Analyzed: 8/12/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) WATER Lab Sample ID: O81235

Sample wt/vol: 990.0 (g/mL ML Lab File ID: B5440.D

Level: (low/med) Date Received: 8/10/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	1	U
111-44-4	bis(2-Chloroethyl)ether	1	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1	U
95-57-8	2-Chlorophenol	1	U
95-50-1	1,2-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-48-7	2-Methylphenol	1	U
106-44-5	3+4-Methyphenols	1	U
621-64-7	n-Nitroso-di-n-propylamine	1	U
67-72-1	Hexachloroethane	1	U
98-95-3	Nitrobenzene	1	U
78-59-1	Isophorone	1	U
88-75-5	2-Nitrophenol	1	U
105-67-9	2,4-Dimethylphenol	1	U
111-91-1	bis(2-Chloroethoxy)methane	1	U
120-83-2	2,4-Dichlorophenol	1	U
100-51-6	Benzyl Alcohol	1	U
65-85-0	Benzoic Acid	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
91-20-3	Naphthalene	1	U
106-47-8	4-Chloroaniline	1	U
87-68-3	Hexachlorobutadiene	1	U
59-50-7	4-Chloro-3-methylphenol	1	U
91-57-6	2-Methylnaphthalene	1.2	U
77-47-4	Hexachlorocyclopentadiene	1	U
88-06-2	2,4,6-Trichlorophenol	1	U
95-95-4	2,4,5-Trichlorophenol	1	U
91-58-7	2-Chloronaphthalene	1	U
88-74-4	2-Nitroaniline	1.1	U
131-11-3	Dimethylphthalate	1	U
208-96-8	Acenaphthylene	1	U
606-20-2	2,6-Dinitrotoluene	1	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: HSS01

Matrix: (soil/water) WATER Lab Sample ID: O81235

Sample wt/vol: 990.0 (g/mL ML Lab File ID: B5440.D

Level: (low/med) Date Received: 8/10/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	1	U
83-32-9	Acenaphthene	1	U
51-28-5	2,4-Dinitrophenol	1.2	U
100-02-7	4-Nitrophenol	1.1	U
132-64-9	Dibenzofuran	1	U
121-14-2	2,4-Dinitrotoluene	1	U
84-66-2	Diethylphthalate	1	U
7005-72-3	4-Chlorophenyl-phenylether	1	U
86-73-7	Fluorene	1	U
100-01-6	4-Nitroaniline	2.2	U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U
86-30-6	N-Nitrosodiphenylamine	1	U
122-66-7	1,2-Diphenylhydrazine	1	U
101-55-3	4-Bromophenyl-phenylether	1	U
118-74-1	Hexachlorobenzene	1	U
87-86-5	Pentachlorophenol	1	U
85-01-8	Phenanthrene	1	U
120-12-7	Anthracene	1	U
84-74-2	Di-n-butylphthalate	1	U
206-44-0	Fluoranthene	1	U
129-00-0	Pyrene	1	U
85-68-7	Butylbenzylphthalate	1	U
91-94-1	3,3'-Dichlorobenzidine	1.4	U
56-55-3	Benzo[a]anthracene	1	U
218-01-9	Chrysene	1	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	U
117-84-0	Di-n-octylphthalate	1	U
205-99-2	Benzo[b]fluoranthene	1	U
207-08-9	Benzo[k]fluoranthene	1	U
50-32-8	Benzo[a]pyrene	1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	U
53-70-3	Dibenz[a,h]anthracene	1	U
191-24-2	Benzo[g,h,i]perylene	1	U

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DHFB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTA

Project No.: 1294 Site: Location: Group: HSS01

Matrix: (soil/water) WATER Lab Sample ID: O81235

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: B5440.D

Level: (low/med) Date Received: 8/10/99

% Moisture: 100 decanted: (Y/N) N Date Extracted: 8/10/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/12/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc	Q
1.	Unknown	13.02	5	J
2.	Unknown	13.34	9.4	J
3. 19047-85-9	Phosphonic acid, dioctadecyl	25.57	11	J
4.	Unknown	28.51	5.5	J
5.	Unknown	30.18	11	J
6.	Unknown	30.59	5	J
7.	Unknown	31.56	7.2	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DHTB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81236

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07008.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 0 Date Analyzed: 8/13/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	210	U
74-87-3	Chloromethane	420	U
75-01-4	Vinyl Chloride	240	U
74-83-9	Bromomethane	480	U
75-00-3	Chloroethane	630	U
107-02-8	Acrolein	630	U
75-69-4	Trichlorofluoromethane	150	U
75-35-4	1,1-Dichloroethene	240	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	630	U
75-09-2	Methylene Chloride	130	U
156-60-5	trans-1,2-Dichloroethene	530	U
107-13-1	Acrylonitrile	630	U
75-34-3	1,1-Dichloroethane	160	U
594-20-7	2,2-Dichloropropane	130	U
156-59-2	cis-1,2-dichloroethene	220	U
74-97-5	Bromochloromethane	220	U
67-66-3	Chloroform	150	U
71-55-6	1,1,1-Trichloroethane	110	U
108-05-4	Vinyl Acetate	630	U
78-93-3	2-Butanone	630	U
56-23-5	Carbon Tetrachloride	500	U
563-58-6	1,1-Dichloropropene	140	U
71-43-2	Benzene	130	U
107-06-2	1,2-Dichloroethane	130	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	430	U
74-95-3	Dibromomethane	180	U
75-27-4	Bromodichloromethane	130	U
110-07-3	2-Chloroethyl Vinyl Ether	630	U
10061-01-5	cis-1,3-Dichloropropene	130	U
108-88-3	Toluene	160	U
10061-02-6	trans-1,3-Dichloropropene	130	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DHTB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81236

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07008.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 0 Date Analyzed: 8/13/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
79-00-5	1,1,2-Trichloroethane	170	U
108-10-1	4-Methyl-2-Pentanone	630	U
127-18-4	Tetrachloroethene	140	U
142-28-9	1,3-Dichloropropane	150	U
124-48-1	Dibromochloromethane	88	U
106-93-4	1,2-Dibromoethane	200	U
591-78-6	2-Hexanone	630	U
108-90-7	Chlorobenzene	140	U
630-20-6	1,1,1,2-Tetrachloroethane	150	U
100-41-4	Ethylbenzene	140	U
136777-61-2	m&p-xylenes	290	U
95-47-6	o-xylene	150	U
100-42-5	Styrene	25	U
75-25-2	Bromoform	63	U
98-82-8	isopropylbenzene	160	U
108-86-1	Bromobenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
96-18-4	1,2,3-Trichloropropane	320	U
103-65-1	n-Propylbenzene	160	U
95-49-8	2-Chlorotoluene	140	U
106-43-4	4-Chlorotoluene	130	U
108-67-8	1,3,5-Trimethylbenzene	200	U
98-06-6	tert-Butylbenzene	150	U
95-63-6	1,2,4-Trimethylbenzene	200	U
135-98-8	sec-Butylbenzene	150	U
541-73-1	1,3-Dichlorobenzene	150	U
99-87-6	4-Isopropyltoluene	110	U
106-46-7	1,4-Dichlorobenzene	150	U
95-50-1	1,2-Dichlorobenzene	130	U
104-51-8	n-Butylbenzene	210	U
96-12-8	1,2-Dibromo-3-chloropropane	630	U
120-82-1	1,2,4-Trichlorobenzene	150	U
87-68-3	Hexachlorobutadiene	130	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DHTB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 12945NJ Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81236

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07008.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 0 Date Analyzed: 8/13/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	Naphthalene	300	U
87-61-6	1,2,3-Trichlorobenzene	180	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DHTB01

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1294 Site: Location: Group: DSS03

Matrix: (soil/water) SOIL Lab Sample ID: O81236

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07008.D

Level: (low/med) MED Date Received: 8/10/99

% Moisture: not dec. 0 Date Analyzed: 8/13/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
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LORCO PETROLEUM SERVICES
RD1 Box 5A
Old Bridge, N.J. 08857
(732) 721-0900
Fax (732) 721-0231

STANDARD COLLECTION ORDER FORM

240925

GENERATOR/LOCATION

SALES ORDER # 62348

NAME: NAVAL WEAPONS STATION EARLE
INFORMATION/ATTENTION LINE: QTRD 400 Gal QTR N550
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: K 34
CITY: COLTS NECK STATE: NJ ZIP: 07722
PHONE NUMBER: 732-866-2339
PURCHASE ORDER NUMBER:
TIME IN: NJO17002217 2
TIME OUT:

BILL TO (IF DIFFERENT FROM LOCATION)

NAME: FOSTER WHEELER
INFORMATION/ATTENTION LINE: SUITE 200
ACCOUNT APPROVAL CODE:
DELIVERY ADDRESS: 1 OXFORD VALLEY
CITY: LANGHORNE STATE: PA ZIP: 19047
PHONE NUMBER: 732-325-0900
PURCHASE ORDER NUMBER:

MANIFEST NUMBER: NHZ326C

SHIPPING INFORMATION

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL		825				
40300	ANTI-FREEZE REMOVAL						
40600	USED OIL FILTER REMOVAL						
40501	OILY WATER DISPOSAL		125				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	TANK ENTRY						
40800	PARTS WASHER SERVICE						
41500	TRUCK & OPERATOR						
41511	NEW 55 GAL DRUM /17H						
41503	QAQC ANALYTICAL TESTING						
42001	DEXSIL TEST KIT TAX						
41509	TRANSPORTATION						

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. $

INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORGO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES.

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ID 72
In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

RICHARD E. GOLDBECK F/W
Print Name — Title

Signature — Date 8 5 99

GENERATOR/CUSTOMER

SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

_____ PPM

CUSTOMER

TOTAL

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

CUSTOMER SERVICED EVERY 30 DAYS ☐

In accordance with 40 CFR 266 § 43(5) LORCO has notified the US EPA of its location and used oil management activities.

DAN MACKAY
Print Name

Signature — Date 8.5.9

LORCO REPRESENTATIVE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ0170022172	Manifest Document No. 03266	2. Page 1 of — NHZ 3266

3. Generator's Name and Mailing Address
NAVAL WEAPONS STATION EARLE
RT 34 COLTS NECK N.J 07722

4. Generator's Phone (732) 866-2339

5. Transporter 1 Company Name: [illegible] PETROLEUM SVC	6. US EPA ID Number: [illegible]	A. Transporter's Phone: [illegible]
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address: [illegible] PETROLEUM SVCS, 4[illegible] SOUTH FRONT STREET, ELIZABETH NJ 07202	10. US EPA ID Number: [illegible]	C. Facility's Phone: [illegible]

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM OIL (PETROLEUM OIL) COMBUSTIBLE LIQUID UN1270 PGIII	[illegible]	[illegible]	XX,930	[illegible]
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: 11a PETROLEUM OIL 3% WATER [illegible]	E. Handling Codes for Wastes Listed Above: [illegible] FILTRATION

15. Special Handling Instructions and Additional Information
[illegible] EMERGENCY RESPONSE [illegible]
[illegible] 87 [illegible] DEXSIL TEST KIT RESULTS <[illegible] PPM
MANIFEST USED FOR TRACKING PURPOSES ONLY

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	09	05	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAN MACKAY	[signature]	09	05	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

GENERATOR'S COPY

Northern H NWPS Eagle Colgate

Lertch Disposal Co.

P.O. Box 1362, Wall, NJ 07719
Tel. (732) 681-0206

INC DATE 6/10/99

SOLD TO Foster Wheeler

PHONE 732 325 0900

	10 yard container		
	~~20~~ yard container	30.00	
	30 yard container		
	40 yard container		
	50 yard trailer		
	Concrete/Asphalt only		
	Stumps only		
	Clean Wood only		
	No Recyclables		
	Bulky Waste Only No Tires / No Paint Cans		
	No Asbestos Container Rental days		
DELIVERED	PICK UP	TOTAL	

GROSS

TARE

NET

3952

No Deliveries Made Inside the Curb Line Except at Customer's Risk
11/2%Per Month Service Charge on All Unpaid Balances

21 34N Colgate

NWPS LARLE

Lertch Disposal Co.

P.O. Box 1362, Wall, NJ 07719
Tel. (732) 681-0206

WED DATE 4 AUG 99

SOLD TO Foster Wheeler

PHONE 732 325 0900

	10 yard container		
1	~~20~~ yard container	300 00	
	30 yard container		
	40 yard container	NOT	
	50 yard trailer	PAID	
	Concrete/Asphalt only		
	Stumps only		
	Clean Wood only		
	No Recyclables		
	Bulky Waste Only No Tires / No Paint Cans		
	No Asbestos Container Rental 7 days		
DELIVERED	PICK UP	TOTAL	

GROSS

TARE

NET

3931

No Deliveries Made Inside the Curb Line Except at Customer's Risk
11/2%Per Month Service Charge on All Unpaid Balances

Dumpster Location "D"

(732) 681-0206

(732) 938 2161

Lertch Disposal Company, Inc
P.O. Box 1362
Wall, NJ 07719-1362
Fax (732) 938-6362

09/20/99

Foster Wheeler Environmental Corporation
One Oxford Valley
2300 Lincoln Highway
Langhorne, PA 19047-1829

Subject: Concrete Disposal, Naval Weapon Station, Colts Neck and Leonardo

This letter is to certify that all concrete removed from the subject address by Lertch Disposal was accepted at Lertch Recycling Center (DEP# 1352001192) located at 5115 Belmar Blvd, Wall Township

Please don't hesitate to call if you have any questions.

Edward Newberry
Facility Manager

JOB # [illegible]

DAY & DATE MAR [illegible] AUG 9 [illegible]

CONTACT PERSON

PHONE #

CleanHarbors (24 HOUR SERVICE)

P.O. #

T & M

CONTRACT

DEPART FROM SHOP

ARRIVE BACK AT SHOP

OR ARRIVE AT NEXT JOB

CLIENT Foster Wheeler

JOB LOCATION NAVAL STATION FLEETWOOD NJ

BILLING ADDRESS

ATTN:

LABOR:

NAME	TITLE	ST	OT	DT
	SUPERVISOR			
	FOREMAN			
	FOREMAN			
	EQUIPMENT OPERATOR			
L. Harris	FIELD TECH 0630 1530	9		
	FIELD TECH			
	FIELD TECH			
	FIELD CHEMIST			

EQUIPMENT:

QTY	TYPE	FLEET #	# OF HRS	✓ IF DAILY RATE
	PICK-UP TRUCK			
	VACUUM TRAILER			
	TRACTOR			
	VACUUM ST. TRUCK			
	BOX TRUCK			
	VACTOR			
	COMPRESSOR			
	BACKHOE			
	BOBCAT			
	RESPIRATOR (1/2 FACE)			
	RESPIRATOR (FULL)			
1	RACK TRUCK	582		
	EXPLOSION METER			

DISPOSAL:

DESTINATION			
	AMOUNT		MANIFEST #
LIQUID (BULK)	GALS.		
ESTIMATED SOLIDS IN BULK LOAD (IN GALS)	GALS.		
SOLID (BULK)	TNS/YDS		
LIQUID (DRUMS)	# OF DRUMS	AMT GALS.	
SOLID (DRUMS)	# OF DRUMS	AMT LBS.	
ADDITIONAL INFO			

MATERIAL:

QTY	DESCRIPTION	QTY	DESCRIPTION
	SPEEDI DRI		COMBO CARTRIDGES
	17-H DRUM		CHEMICAL CARTRIDGES
	YELLOW TYVEK		
	RAIN GEAR		
	GLOVES		
	SORBENT PADS BL		
	SORBENT BOOM EA		
	SORBENT BOOM BL		
	5-GAL. BUCKET		
	DUCT TAPE		
	AIR BOTTLE		
	OVERBOOTS		
	CHICKEN BOOTS		
	DEGREASER (5 GAL)		
	PENETONE (1 GAL)		

JOB DESCRIPTION:

P/U TWO OIL TANKS + SCRAPS FOR DISPOSAL
DELIVERED SCRAPS + OIL TANKS TO CAMDEN IRON
& SCRAPS

ANALYSIS:

QTY	TYPE	DESTINATION

	SUPERVISOR
	FOREMAN
	FOREMAN
	EQUIPMENT OPERATOR
1 HAR	FIELD TECH 0830 1530
	FIELD TECH
	FIELD TECH
	FIELD CHEMIST

	PICKUP TRUCK
	VACUUM TRAILER
	TRACTOR
	VACUUM ST TRUCK
	BOX TRUCK
	VACTOR
	COMPRESSOR
	BACKHOE
	BOBCAT
	RESPIRATOR (1/2 FACE)
	RESPIRATOR (FULL)
	RACK TRUCK 582
	EXPLOSION METER

DISPOSAL:

DESTINATION			
	AMOUNT		MANIFEST #
LIQUID (BULK)		GALS.	
ESTIMATED SOLIDS IN BULK LOAD (IN GALS)		GALS.	
SOLID (BULK)		TNS/YDS	
LIQUID (DRUMS)	# OF DRUMS	AMT GALS	
SOLID (DRUMS)	# OF DRUMS	AMT LBS.	
ADDITIONAL INFO			

MATERIAL:

QTY	DESCRIPTION
	SPEEDI DRI
	17-H DRUM
	YELLOW TYVEK
	RAIN GEAR
	GLOVES
	SORBENT PADS BL
	SORBENT BOOM EA
	SORBENT BOOM BL
	5-GAL BUCKET
	DUCT TAPE
	AIR BOTTLE
	OVERBOOTS
	CHICKEN BOOTS
	DEGREASER (5 GAL)
	PENETONE (5 GAL)

QTY	DESCRIPTION
	COMBO CARTRIDGES
	CHEMICAL CARTRIDGES

JOB DESCRIPTION:

P/U TWO OIL TANKS + SCRAPS FOR DISPOSAL
DELIVERED SCRAPS + OIL TANKS TO CAMAN-TROY
SCRAPS

JOB COMPLETED ☑ YES ☐ NO

ANALYSIS:

QTY	TYPE	DESTINATION

SUBCONTRACTORS:

NAME OF COMPANY	DESCRIPTION

SIGNATURE: _____ (CLEAN HARBORS REPRESENTATIVE)

Date: 8-9-99

Customer: _____ (Company Name)

By: _____ Signature

Print Name: _____

Title: _____

Date: _____

CHI 115

IMPORTANT — PAYMENT TERMS ON BACK

PAYROLL

VENDOR'S COPY

F 606267

CAMDEN IRON & METAL, INC.

SCRAP IRON, STEEL and METALS

TELEPHONE
963-8809

1500 SOUTH SIXTH STREET
CAMDEN, NJ 08101

X

AUG 9 2 10 PM '99

DATE _____ 19 ___

NAME Jeff Harris - CLEAN HARBORS

ADDRESS _____

ACCOUNTS PAYABLE ☐ • CASH PAYMENT ☐

MATERIAL	CODE	GROSS	TARE	NET	UNIT PRICE	AMOUNT
Tanks	#1	13080	9060	4020		
	34F				125	50 25

faxed letter

RECEIVED, ATLANTIC AVE. SITE

AUG 9 2 10 PM

CMB
WEIGH MASTER

RECEIVED PAYMENT

PER

Russell Reid.
RESPONSIBLE WASTEWATER MANAGEMENT
200 Smith Street
P.O. Box 190
Keasbey, NJ 08832-0130
www.russellreid.com

800-356-4468
Glen Gardner, N.J.
800-822-0284
Jackson, N.J.
800-356-4468
Deptford, N.J.
800-220-0803

PAGE 1

DRIVER: Louie Dave
DELIVER DATE: 8-9-99
TRUCK #: 348-294

JOB LOCATION
FOSTER WHEELER @ EARL
NAVEL WEAPONS STATION
ROUTE 36 BLDG R-30
LEONARDO NJ 07737
RICH GOLDBECK
215-756-1845
TELEPHONE NO.

BILL TO
FOSTER WHEELER @ EARL
NAVEL WEAPONS STATION
ROUTE 36 BLDG R-30
LEONARDO NJ 07737
RICH GOLDBECK
732-291-5526
TELEPHONE NO.

ORDER DESCRIPTION RB COMMERCIAL

Time In: 9:00 AM
Time Out: 10:30 AM

08/06/99	FOSLE		MD	08/05/99	C53026-00

73-H- 500

INSTRUCTIONS & DIRECTIONS SV/FRM- LST DT- TERMS: NET 10 DAYS

DRIVERS: 8:00AM / JET & PUMP 2 SEPTIC TANKS/ NEED DRIVERS
INSTRUCT.: LICENSE/ INSURANCE & REGISTRATION CARD

Meet at main gate on Rt 34 Colts Neck.

COMMERCIAL/CONTRACT

QUANTITY	UNIT	LOAD VOLUME	ITEM #	DESCRIPTION
1000.00	GAL		CSEW	GALLONS COMMERCIAL SEWAGE
	BATCH NO			
2.00	HRS		JETRCD	HIGH PRESSURE JETTING SERVICE
1.00	HR		LABOR	LABOR

* END OF ORDER *

ACKNOWLEDGEMENT AND WAIVER:
WORK PERFORMED IS SUBJECT TO THE APPROPRIATE VER AND CONDITIONS LISTED ON THE REVERSE SIDE OF RECEIPT. RECEIPT AND SIGNATURE OF ACCEPTANCE ONSIDERED BINDING UPON THE PARTIES HERETO.

7322915528 PAGE.09

Photo 1: Quarters D UST uncovered, depicting the spill bucket and fill pipe riser.

Photo 2: Quarters D UST with riser pipe removed.

Photo 3: **Quarters D UST removed and cut open for cleaning.**

Photo 4: **Quarters D UST cut open and awaiting transport off-site.**

Photo 5: Quarters D UST excavation after removal of tank.

Photo 6: Quarters D UST excavation after removal of tank.

Photo 7: Quarters D septic tank location.

Photo 8: Quarters D septic tank showing inlet piping

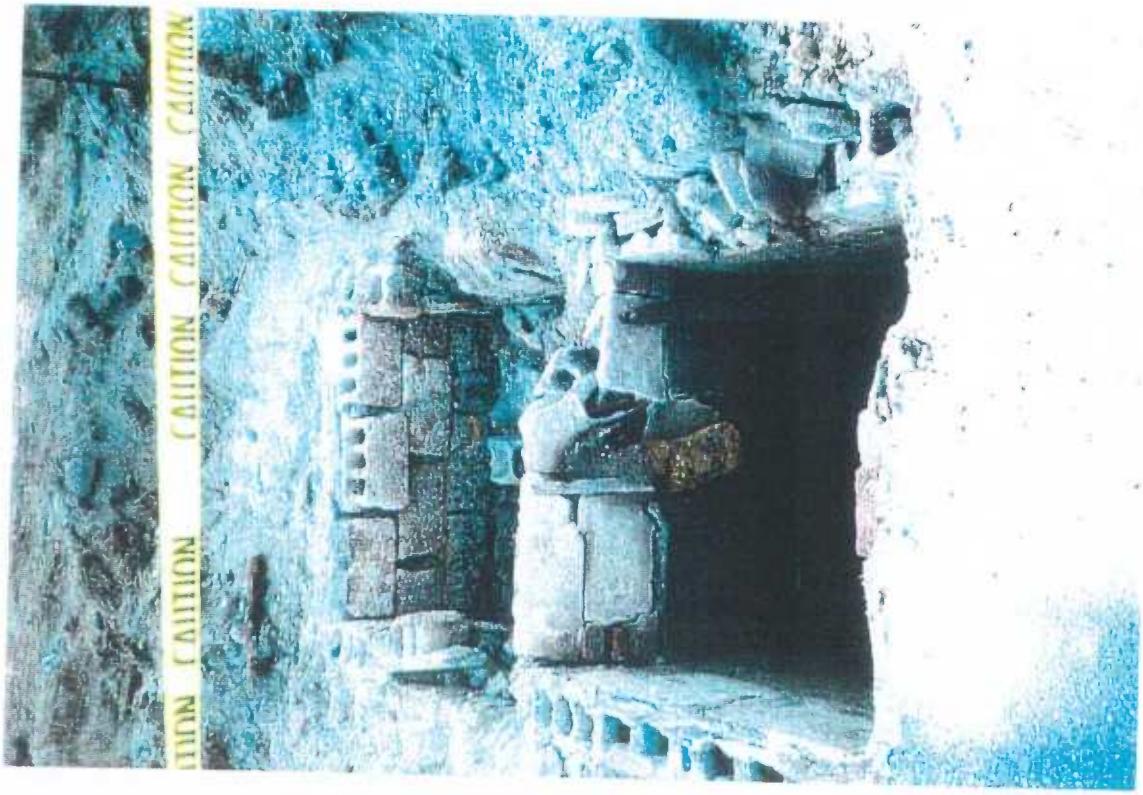

Photo 9: Quarters D septic tank depicting concrete block construction.

Photo 10: Quarters D septic tank depicting two compartments

Photo 11: Quarters D septic tank depicting water in tank.

Photo 12: Quarters D septic tank being cleaned and pumped out.

Photo 13: Removal of concrete block from Quarters D septic tank.

Photo 14: Removal of concrete block from Quarters D septic tank.

Photo 15: Loading concrete block from Quarters D septic tank for off-site disposal.

Photo 16: Quarters D UST area restored.

Photo 17: **Quarters D septic tank area restored.**

Photo 18: Quarters H UST depicting the top of the UST.

Photo 19: Quarters H UST with the top exposed.

Photo 20: Quarters H UST depicting the top of the UST.

Photo 21: Quarters H UST excavation after the tank removal.

Photo 22: Quarters H UST excavation after the tank removal.

Photo 23: Quarters H UST excavation after the tank removal.

Photo 24: Quarters H UST after removal.

Photo 25: Quarters H UST after removal and cleaning

Photo 26: Quarters H septic tank location.

Photo 27: Quarters H septic tank leach field.

Photo 28: Quarters H: Top of septic tank.

Photo 29: Quarters H: Top of septic tank.

Photo 30: Quarters H: Top of septic tank with cover removed.

Photo 31: Quarters H: Top of septic tank depicting two chambers.

Photo 32: Quarters H septic tank after power washing and pumping water out.

Photo 33: Quarters H septic tank after power washing and pumping water out.

Photo 34: Removal of block associated with the Quarters H septic tank.

Photo 35: The broken up concrete and debris removed from the former dog pen at Quarters H.